

Release Notes for CD-1.1 Public Software Bundle: Version 1.1

Introduction

The Prototype International Data Center (PIDC) is distributing a beta version of the CD-1.1 Public Software Bundle. This distribution contains software components for transmitting data from stations of the International Monitoring System (IMS) following the formats and protocols for Continuous Data CD-1.1. CD-1.1 formats, protocols and policies are defined in the document [IDC3.4.3], which is available from the PIDC web site (<http://www.pidc.org>). The CD-1.1 Public Software Bundle may be requested from user_services@cmr.gov.

Status of Development

Version 1.1 of the CD-1.1 Public Software Bundle is a beta distribution that has not yet been used in an operational mode. Version 1.1 includes software components of the Continuous Data Subsystem (CDS) CD-1.1 of IDC Release 3 that were installed in PIDC operations on April 20, 2001. Because no IMS stations are currently sending data in CD-1.1 format, it has not been possible to fully validate operational performance of the CDS CD-1.1 at the PIDC. Testing with simulated CD-1.1 data and with data from a configuration of the Malin, Ukraine array in an integration laboratory in the U.S. provide some confidence that major problems will not be encountered during actual station implementation of CD-1.1. Nevertheless, we anticipate that the initial station implementations of CD-1.1 will flush out minor problems in both the public software bundle and the CDS at the data centers.

Version 1.1 differs from Version 1.0 in that it incorporates changes made to the PIDC operational software. These changes address bugs found during acceptance testing of the PIDC software

Supported Platform

The CD-1.1 Public Software Bundle has been developed and tested for use under Solaris 2.7 running on Sun Microsystems computers and under Linux (Redhat 6.2) running on an Intel platform.

Integration

Station operators or data centers that plan to use the CD-1.1 Public Software Bundle to transmit data in CD-1.1 will need to integrate components of this distribution with other components specific to data formats at the data center. That is, this distribution is not a stand-alone package that will enable immediate transmission of CD-1.1 data without some custom software development. In particular, the station operator will need to supply software to read data in the native format and write these data to a data store in CD-1.1 format. The bundle does contain a library that can be used to write to the CD-1.1 data store. The bundle also contains a Users Guide to assist station operators in their use of the CD-1.1 bundle.

Limitations on Integration Support

The PIDC will work with two beta test sites to facilitate the first station implementation of CD-1.1 data transmission using the CD-1.1 bundle. The PIDC will not support integration at other sites.

Limited Maintenance Support

Defects may be reported to the PIDC by sending e-mail to user_services@cmr.gov prior to September 30, 2001. The PIDC will acknowledge receipt of these defect reports. The PIDC will provide a patch release for critical defects in CD-1.1 software components. Critical defects are those that prevent the software from operating reliably. Patches will be tested on a Linux platform and on PIDC operations prior to releases. The length of the repair, test and evaluation cycle will limit the frequency of patch releases. For example, there might be as few as one or two patches between initial distribution and September 30, 2001.